



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 5

Complete If Known

Application Number	10/788,491
Filing Date	March 1, 2004
First Named Inventor	MOORE, Brian
Art Unit	2829
Examiner Name	N/A Nguyen, Jimmy
Attorney Docket Number	11157-73

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
CV		US-3,689,885	09-05-1972	Kaplan et al.	
		US-4,002,974	01-11-1977	Thomas	
		US-4,105,950	08-08-1978	Dingwall	
		US-4,392,105	07-05-1983	McLeod	
		US-4,517,532	05-14-1985	Neldorff	
		US-4,587,480	05-06-1986	Zasio	
		US-4,985,681	01-15-1991	Brunner et al.	
		US-5,030,908	07-09-1991	Miyoshi et al.	
		US-5,039,602	08-13-1991	Merrill et al.	
		US-5,059,899	10-22-1991	Farnworth et al.	
		US-5,068,521	11-26-1991	Yamaguchi	
		US-5,095,267	03-10-1992	Merrill et al.	
		US-5,113,184	05-12-1992	Katayama	
		US-5,149,662	09-22-1992	Eichelberger	
		US-5,192,913	03-09-1993	Gonganthu et al.	
		US-5,204,559	04-20-1993	Deyhimy et al.	
		US-5,248,936	09-28-1993	Nakata et al.	
		US-5,252,914	10-12-1993	Bobbitt et al.	
		US-5,266,890	11-30-1993	Kumbasar et al.	
CV		US-5,279,975	01-18-1994	Devereaux et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
CV		EP 0 098 399 B1	06-04-1986	International Business Machines Corporation		
CV		EP 0 651 505 A1	05-03-1995	International Business Machines Corporation		
CV		EP 0 702 238 A1	03-20-1996	SGS-Thomson Microelectronics Ltd.		
CV		EP 0 911 640 A2	04-28-1999	NEC Corporation		

Examiner Signature

Jimmy Nguyen

Date Considered

10/29/04

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 2 of 5

Complete If Known

Application Number	10/788,491
Filing Date	March 1, 2004
First Named Inventor	MOORE, Brian
Art Unit	2829
Examiner Name	Nguyen, Jimmy

Attorney Docket Number 11157-73

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
AR		US- 5,315,241	05-24-1994	Ewers	
1		US- 5,365,204	11-15-1994	Angiulli et al.	
		US- 5,448,395	08-29-1995	Goto	
		US- 5,457,400	10-10-1995	Ahmad et al.	
		US- 5,619,483	04-08-1997	Malhi	
		US- 5,625,288	04-29-1997	Snyder et al.	
		US- 5,714,888	02-03-1998	Naujoks	
		US- 5,790,479	08-04-1998	Conn	
		US- 5,811,983	09-22-1998	Lundberg	
		US- 5,818,250	10-06-1998	Yeung et al.	
		US- 5,887,033	02-02-1999	Sporck et al.	
		US- 5,892,368	04-06-1999	Nakata et al.	
		US- 5,905,383	05-18-1999	Frisch	
		US- 5,923,676	07-13-1999	Sunter et al.	
		US- 5,952,840	09-14-1999	Farnworth et al.	
		US- 5,963,043	10-05-1999	Nassif	
		US- 5,983,363	11-09-1999	Tuttle et al.	
		US- 5,994,915	11-30-1999	Farnworth et al.	
AR		US- 5,995,428	11-30-1999	Chien et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
AR		WO 97/15838	05-01-1997	Opmax Inc.		
AR		WO 99/16107	04-01-1999	Frequency Technology, Inc.		
AR		WO 99/17353	04-08-1999	Siemens Aktiengesells- chaft		✓
AR		WO 99/32893	07-01-1999	Conexant Systems, Inc.		
AR		WO 99/65287	12-23-1999	Orbotech Ltd.		

Examiner Signature	Jimmy Nguyen	Date Considered	01/29/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 5

Complete If Known	
<i>Application Number</i>	10/788,491
<i>Filing Date</i>	March 1, 2004
<i>First Named Inventor</i>	MOORE, Brian
<i>Art Unit</i>	2829
<i>Examiner Name</i>	Nguyen, Jimmy
<i>Attorney Docket Number</i>	11157-73

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. *	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DR		US- 6,999,009	12-07-1999	Mitsui	
		US- 6,005,407	12-21-1999	Arabi et al.	
		US- 6,005,829	12-21-1999	Conn	
		US- 6,057,699	05-02-2000	Yin et al.	
		US- 6,058,497	05-02-2000	Tuttle	
		US- 6,069,849	05-30-2000	Kingsley et al.	
		US- 6,075,417	06-13-2000	Cheek et al.	
		US- 6,087,842	07-11-2000	Parker et al.	
		US- 6,097,203	08-01-2000	Parker et al.	
		US- 6,119,255	09-12-2000	Akram	
		US- 6,133,582	10-17-2000	Osann, Jr. et al.	
		US- 6,134,191	10-17-2000	Alfke	
		US- 6,161,205	12-12-2000	Tuttle	
		US- 6,166,607	12-28-2000	Schoellkopf	
		US- 6,169,694 B1	01-02-2001	Nam et al.	
		US- 6,184,896 B1	02-06-2001	White et al.	
		US- 6,189,120 B1	02-13-2001	Akram	
		US- 6,219,305 B1	04-17-2001	Patrie et al.	
		US- 6,223,314 B1	04-24-2001	Arabi et al.	
DR		US- 6,236,223 B1	05-22-2001	Brady et al.	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	10/29/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 5

<i>Complete If Known</i>	
<i>Application Number</i>	10/788,491
<i>Filing Date</i>	March 1, 2004
<i>First Named Inventor</i>	MOORE, Brian
<i>Art Unit</i>	2829
<i>Examiner Name</i>	Nguyen, Jimmy
<i>Attorney Docket Number</i>	11157-73

U.S. PATENT DOCUMENTS

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Examiner
Signature

Tiago Vazquez

**Date
Considered**

18129/2010

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5

of

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Complete if Known

Application Number 10/788,491

Filing Date March 1, 2004

First Named Inventor MOORE, Brian

Art Unit 2829

Examiner Name *Nguyen, Jeremy*

Attorney Docket Number 11157-73

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
<i>M</i>		ARABI, K. et al. "Digital Oscillation-Test Method for Delay and Stuck-at-Fault Testing of Digital Circuits", International Test Conference, 1998, pp. 91-100		
<i>M</i>		FERNALD, Kenneth W. et al, "A Self-Tuning Digital Telemetry IC for Use in a Microprocessor-Based Implantable Instrument - IEEE Journal of Solid-State Circuits - Vol. 27, No 12 (Dec. 1992) - Pages 1826-1832		
<i>M</i>		KANG, Sung-Mo (Steve) & Yusuf Leblebici, CMOS Digital Integrated Circuits - 1999 - pages 220-242, Chaps 6, 9, 11, 15		
<i>M</i>		SCHRODER, Dieter K., Semiconductor Material and Device Characterization - 1990 - pages 1-40		
<i>M</i>		STEVENS, Anthony K. Introduction to Component Testing - 1986 - pages 3-14 & pages B1-118		
<i>M</i>		ZORIAN, Yervant, "Testing the Monster Chip" - IEEE Spectrum, (July 1999) - Pages 54-60		

Examiner Signature	<i>Jeremy Nguyen</i>	Date Considered	<i>10/29/04</i>
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